

DaimlerChrysler AG

Abstract

The invention relates to a rectifier 2, which is associated with an alternating current machine, of an internal combustion engine having two heat sinks 4.1, 4.2 which each hold two or more diodes 3.1, 3.2. The heat sinks 4.1, 4.2 of the rectifier 2 are in this case arranged physically separately from the alternating current machine upstream and/or downstream of a fan 6, which is in the form of a cooler fan, with reference to the flow direction of the cooling air. The regulator 2.1 for the rectifier 2 is likewise arranged physically separately between the rectifier housing 7 and the alternating current machine.

(Figure 1)